



HD100 

ELECTRONIC LOGGING DEVICE

User Manual

Safe Driving Practices

Safe Driving Practices

The use of the HD 100 in a vehicle while the vehicle is in motion may be distracting and dangerous. Accordingly, always use your best judgment. Exercise caution and common sense when the vehicle is in motion. Do not become distracted by the device while driving. Minimize the amount of time spent looking at the device while driving, and listen to voice prompts when possible.

Do not input destinations, change settings, or access any functions requiring prolonged use of the device controls while driving. Pull over in a safe and legal manner before attempting such operations.

Use of the Rand McNally HD 100 Device

IMPORTANT: By using the HD 100 device you are agreeing to be bound by the Terms and Conditions for Use of the Rand McNally HD 100 (referred to as “Terms & Conditions”). These Terms and Conditions, including the Rand McNally HD 100 Service Plan Terms, the Privacy Policy, Terms of Use, and other applicable terms can be located at **randmcnally.com/HD100termsandconditions**, and terms of use for wireless products, features, applications, and accessories not otherwise described herein that are posted on applicable Rand McNally websites or devices, and any documents expressly referred to herein or therein, make up the complete agreement between Customer and Rand McNally, with respect to Customer’s subscription to the service plan and use of the HD 100 device.

FCC Compliance Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications if not installed and used in accordance with the instructions.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet that is on a different circuit from the telematics unit.
- Consult the dealer or an experienced radio/TV technician for help.

This device is intended to be connected to the vehicle's diagnostic port via a power cable. It is not intended to be connected to an A/C outlet.

When using the device, maintain a distance of 20 centimeters (about 8 inches) from the body in compliance with radio frequency exposure requirements.

CAUTION: To comply with the limits for a FCC Class B computing device, always use the shielded cord supplied with this unit.

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Activating Your HD 100 for the First Time

This section provides a summary of the required steps you will need to take before you use the HD 100 in your truck for the first time.

Items necessary to activate your HD 100:

- HD 100 device
- IntelliRoute® TND™ 720 device
- USB-to-Mini USB cable included with your HD 100
- The Rand McNally Dock™ software installed on a computer with an Internet connection.

1 Download the Dock™

If you do not already have the Rand McNally Dock™ downloaded on your computer, go to randmcnally.com/HD100Dock, and download and install the Dock™. This requires an Internet connection.



2 Connect HD 100

Open the Dock™ software and connect your HD 100 device to your computer with the provided USB cable.

The Dock™ will then guide you through the steps to activate your HD 100, configure your user settings and pair your HD 100 with your IntelliRoute® TND™ 720, as shown in steps 3-5 on the following page. This may require downloading software updates for both devices.



Activating Your HD 100 for the First Time

3 Activate HD 100 and Service Plan

The Dock™ will activate your HD 100 device and the included service plan.



4 Configure Account Settings

The Dock™ will walk you through the essential settings and account information you need to configure so that you can use your HD 100 for the first time. This includes creating a Driver ID used to log into the HD 100 software, and creating a login to access the Rand McNally Connect web portal.

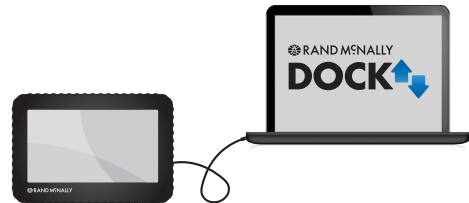
NOTE: Your HD 100 requires a service plan to function. When the term of your included service plan is about to end, you will be prompted to purchase a service plan to continue using your HD 100.



NOTE: For more information on additional settings to further customize your HD 100, log on to the Rand McNally Connect web portal at **connect.randmcnally.com**, and click the **Help** tab. Then select **Connect Help**. The Connect web portal User Manual will appear in a new tab in your browser. Click on the **Management** section to view all account settings available to you. For more information, you can also refer to the Log On and Management sections on pages 54-55.

5 Pair HD 100 with IntelliRoute® TND™ 720

You will be instructed to unplug your HD 100 from the computer, then plug in your IntelliRoute® TND™ 720 device to the computer. The Dock™ will then pair these two devices, enabling them to work together once they are installed in your truck.



Installing Your HD 100 > Installation Instructions

Installing your HD 100 can take as little as 10 minutes. Installation instructions are provided here, as well as quick diagnostic information so you can verify your device is working correctly.

Box contents*:

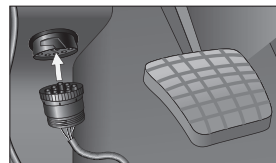
- HD 100 device
- HD 100 device tray
- Get Started card
- User Manual
- Driver and DOT Quick Reference card
- E-Log sticker for vehicle
- 9-pin power cable
- USB-to-Mini USB cable
- Adhesive mounting strips (2)
- Screws and nuts (4)
- Cable ties (4)

*Does not include IntelliRoute™ TND™ 720 device

Installation Instructions

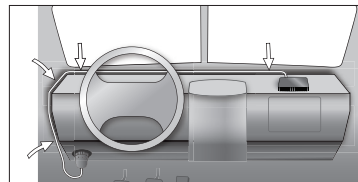
1. Locate the truck's diagnostic port. Connect the cable to the port and turn the collar on the cable end to lock it in place.

NOTE: For information on alternative installation options, refer to the Alternative Installation Options on page 13.



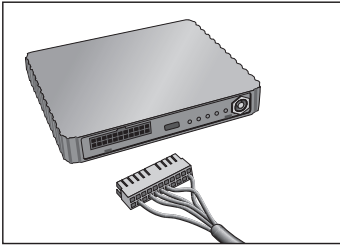
2. Route the cable from the diagnostic port to the location you selected for mounting the HD 100 device, making sure to place it on a flat surface, away from any vents and any locations where it may interfere with the driver.

NOTE: Tuck the cable in the space between the windshield and the dash.



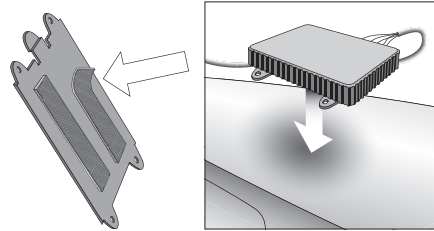
Installing Your HD 100 > Installation Instructions

3. Connect the HD 100 to the cable and place it (with the tray attached) on the flat surface.



4. Make sure the area selected is clean and dry. Peel the protective layer off one side of the adhesive mounting strips and place on the bottom of the HD 100 tray. Then peel off the other protective layer, and place the device with tray attached on your dash in the desired location, pressing firmly to secure it to the dash surface.

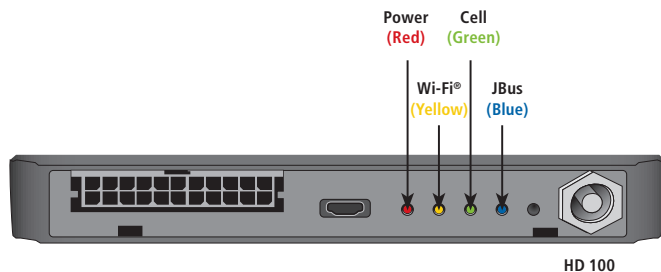
NOTE: Do not cover the HD 100 device or place anything over it, as this may interfere with the GPS signal.



Installing Your HD 100 > Installation Instructions

- Once the HD 100 device is mounted and connected to the vehicle, turn on your engine. The four colored lights on the side of the device should illuminate within about 20 seconds, indicating that the device is connected and running properly.

For more information on how the colored lights work, refer to the Quick Diagnostics section on page 12.



- Now, mount your IntelliRoute® TND™ 720, if it is not already. Then, turn on your IntelliRoute® TND™ 720 device. You will first see the IntelliRoute® software Home Menu. Click the HD 100 button on this screen.

NOTE: Because your IntelliRoute® TND™ 720 displays your Hours of Service logs and helps you keep track of your compliance, Rand McNally recommends that you keep your IntelliRoute® TND™ 720 plugged in with the charging cable while in use with the HD 100.



- Once the HD 100 software loads, log on by entering the Driver ID you created when activating your device through the Rand McNally Dock,™ then tap Submit.

NOTE: You can also refer to the Rand McNally HD 100 Activation email you received after you completed the activation process. Your log-in information is provided in this email for your records.

Quick Diagnostics

Once your HD 100 and IntelliRoute® TND™ 720 are installed in your truck, follow the Quick Diagnostic steps to ensure your system is working properly.

1. Verify HD 100 Connectivity.

- Ensure the four colored lights are on. These lights indicate that the HD 100 is connected and running properly.
- The JBus (Blue) light should turn on soon after connecting.
- If the Power (Red), Wi-Fi® (Yellow), or Cell (Green) lights remain flashing or off for more than 3 minutes after you connect your HD 100 device to the diagnostic port with the power cable, then there may be an error. Refer to the Troubleshooting section on page 14.

2. Confirm access to HD 100 Home Menu.

- Click the HD 100 icon on IntelliRoute® Home Menu.
- Log into the HD 100 software with your Driver ID.
- Confirm that the HD 100 Home Menu screen is visible.

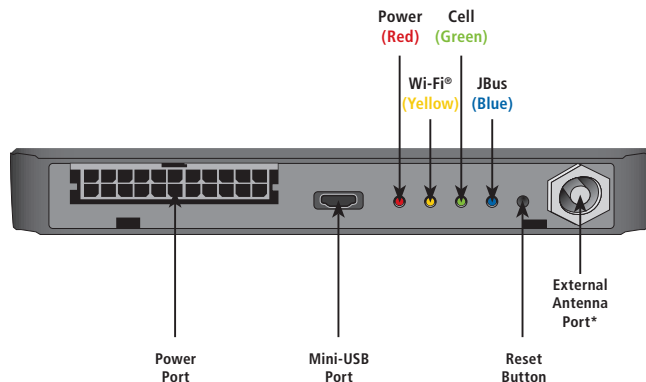
3. Once you log on to the HD 100 software, confirm Cell icon is visible on status bar. For more information on the status bar, refer to page 24.

4. Once you log into the HD 100 software, verify GPS and ECM connectivity.

- Select the Diagnostics tab, then the GPS sub-tab. Confirm GPS status is good by verifying that there are values in the Latitude and Longitude fields. For more information on the Diagnostics tab, refer to page 52.
- Drive the truck at least 0.2 miles. Select the SysInfo icon from the HD 100 Home Menu. Select Diagnostics, then the JBus sub-tab.
- Confirm that there is an odometer value in the Eng. odom. field.

Once you confirm all of these items are operating correctly, the system is ready to use.

Installing Your HD 100 > Quick Diagnostics



Power (Red)	On	Device Powered On
	Flashing	System alert (HOS alerts)
	Off	No power/device turned off
Wi-Fi® (Yellow)	On	Connected
	Flashing	Attempting to connect
	Off	Not connected
Cell (Green)	On	Connected
	Flashing	Attempting to connect
	Off	Not connected
JBus (Blue)	On	Connected
	Off	Not connected

*For use with external antenna when installing the HD 100 device behind the dash or under the seat.

Installing Your HD 100 > Alternative Installation Options

Alternative Installation Options

Accessories and parts for alternative installations can also be purchased at randmcnally.com/fleetaccessories.

- **9- to 6-pin Cable Adapter:** For use in trucks with a 6-pin-compatible diagnostic port



- **External Antenna:** For use with the HD 100 when installing behind the dash or under the seat



Contact Rand McNally Customer Support at **1-800-641-RAND (7263)** or fleetsupport@randmcnally.com for more information on alternative installation options.

Customer may select from various professional installation options. A list of certified installers can be found at randmcnally.com/HD100installation.

Installing Your HD 100 > Troubleshooting

Troubleshooting

This section covers basic troubleshooting scenarios. For the most up-to-date troubleshooting information, refer to randmcnally.com/HD100troubleshooting.

NOTE: To remain compliant, you must keep paper logs if your HD 100 or IntelliRoute® TND™ 720 is not functioning properly.

Red light is off for more than 3 minutes after connecting HD 100 to diagnostic port (No power on HD 100 device):

- Check power connection on HD 100 device.
 - Ensure the cable is secured to the truck's diagnostic port and to the HD 100 device. Disconnect, then reconnect both ends of the power cable, making sure the collar on the diagnostic port end of the cable is locked in place.
- Check that the red light turns on. The red light should illuminate within about 20 seconds, indicating that the device is receiving power from the vehicle.

Nothing appears on the IntelliRoute® TND™ 720 screen:

- Make sure your IntelliRoute® TND™ 720 is charged and powered on.

Yellow or Green lights stay off for more than 3 minutes after connecting HD 100 to diagnostic port (Wi-Fi® or Cell not connecting on HD 100 device):

- Make sure your IntelliRoute® TND™ 720 device is charged and within 10 feet of the HD 100 device.
- Push the Reset button on the side of the HD 100 device.
- Check power connection on HD 100 device.
 - Ensure the cable is secured to the truck's diagnostic port and to the HD 100 device. Disconnect, then reconnect both ends of the power cable, making sure the collar on the diagnostic port end of the cable is locked in place.
- Make sure truck ignition is on.
- Restart the ignition.
- Check that the colored lights are on. The colored lights should illuminate within about 20 seconds, indicating that the HD 100 is connected and running properly.

NOTE: If, after following these steps, the green Cell light stays off, this may indicate that you are currently located in an area without Cell coverage. If you do not have Cell coverage, you may continue to log on to the HD 100 software with your Driver ID and use the HOS application, provided you have logged in at least once before with that particular Driver ID. Your HD 100 will continue to capture your Hours of Service data, and once you regain Cell connectivity, your Hours of Service data will update.

Cannot access the HD 100 software, after clicking the HD 100 button from the IntelliRoute® Home Menu:

- Make sure your IntelliRoute® TND™ 720 device is within 10 feet of the HD 100 device.
- Wait up to 3 minutes for the colored lights on the HD 100 device to illuminate.
- Push the Reset button on the side of the HD 100 device.

Blue light is still off for more than 3 minutes after connecting HD 100 to diagnostic port (JBus is not responding on HD 100 device):

- Make sure truck ignition is on.
- Restart the ignition.
- Restart both the IntelliRoute® TND™ 720 and HD 100 devices.
 - Log off the HD 100 software.
 - Press the Power button on your IntelliRoute® TND™ 720 device.
 - Disconnect the cable from your HD 100 device.
 - Reconnect the cable to your HD 100 device.
- Check that the blue light turns on. The blue light should illuminate within about 20 seconds, indicating that the device is connected to the vehicle's ECM.

Using the IntelliRoute® Navigation Software > IntelliRoute® Home Menu

IntelliRoute® Home Menu



When you pair your IntelliRoute® TND™ 720 with your HD 100 device, the IntelliRoute® truck navigation software will adjust to accommodate the Hours of Service data that your HD 100 collects. This section points out these adjustments and provides tips on how to best use them to get the most out of your system.

For all other features, you can refer to the IntelliRoute® TND™ 720 User Manual provided in the IntelliRoute® TND™ 720 packaging. The manual may also be downloaded at randmcnally.com/support.

IntelliRoute® Home Menu

The IntelliRoute® Home Menu will feature information about your current status, as well as an HD 100 button so you can access the HOS application.

The text at the top right-hand corner of the IntelliRoute® Home Menu will list your Driver ID, whether you are loaded or unloaded, and your HOS duty status. You do not need to enter any information here; the information will update as you use the software throughout the day. For your reference, the information you see here comes from the following locations:

Driver ID – Configured when you registered your HD 100 device through the Rand McNally Dock™.

NOTE: If your IntelliRoute® TND™ 720 is not connected to your HD 100 device, this field will indicate there is no connection.

Load status – Determined when you enter a route in the IntelliRoute® application

HOS duty status – Determined by the HD 100 HOS application

Click on the HD 100 button to access the HD 100 software. A pop-up will appear notifying you that the HD 100 is connecting.

For information on the HD 100 software, refer to the Using the HD 100 Software section on page 22.

Timers



Timers

The Timers screen automates several duty status timers with data from the HD 100 HOS application, enabling you to keep track of your Hours of Service compliance while using the IntelliRoute® navigation software.

Automated timers include:

Driving Session: Time remaining until your 8-hour On-Duty limit is reached before you must take a required 30-minute Off-Duty break (same as 8hr timer on the Summary tab in the HOS application)

Driving Hours: Time remaining until your 11-hour Driving limit is reached (same as 11hr timer on the Summary tab in the HOS application)

Total Day Hours: Time remaining until your 14-hour On-Duty limit is reached (same as 14hr timer on the Summary tab in the HOS application)

Total Week Hours: Time remaining until your 70-hour On-Duty limit is reached (same as 70hr timer on the Summary tab in the HOS application)

You can select to manually set the other timers for keeping track of odometer readings, maintenance and average speed. These timers include Odometer 1 & 2, Maintenance 1 & 2, and Mvg Avg 1 & 2.

NOTE: When you click the Timers screen, if your IntelliRoute® TND™ 720 is connected to a Wi-Fi® hotspot for the TND™ Live Features, a pop-up will appear notifying you that your device is disconnecting from the Live Features and reconnecting to the HD 100.

Using the IntelliRoute® Navigation Software > Mileage

The screenshot shows the IntelliRoute Connect web portal interface. At the top, there's a navigation bar with 'Management', 'Reports', 'Compliance', and 'Help'. Below this, the 'Regional Fuel' section is active. It features a search bar with 'Vehicle' and 'Vehicle Group' tabs, and a 'Get Results' button. A date range selector is set to 'Month to Date'. Below the search bar, there are tabs for 'Show All', 'Group by Vehicle & Region', and 'Group by Region'. The 'Group by Region' tab is selected, displaying a table with columns for Region, Miles, and Fuel. The table lists data for various US states, including AB, AL, AR, AZ, BC, CA, CHIH, CO, CT, DC, DE, FL, GA, IA, ID, IL, IN, KS, and KY.

Region	Miles	Fuel
AB	21559	3420.5
AL	23689.2	4271.25
AR	30403.9	5694.75
AZ	8153.8	1595.25
BC	3508.7	535.625
CA	13694.6	2338.25
CHIH	33.5	5.625
CO	15518.5	2910.25
CT	3180.2	557
DC	47.6	8.875
DE	480.5	76.75
FL	19890.3	3428.75
GA	29532.6	5288.25
IA	76530.6	16030
ID	19105.4	4583.75
IL	39362.3	6922.875
IN	25454	4365.25
KS	39527.1	8601.25
KY	23386.8	4501.125

Mileage

After you pair your IntelliRoute® TND™ 720 with your HD 100, state mileage breakdowns will be captured automatically by the HD 100 device and will be available to you in your Connect web portal account for 6 months in the State Mileage Report (**Reports > State Mileage**). You will no longer have to use the Mileage tab on your IntelliRoute® TND™ 720 to review your state mileage, then upload it to the Rand McNally Dock.™

From the Connect web portal, you can then download the report to your computer as a spreadsheet when it comes time to file your fuel tax paperwork.

Using the IntelliRoute® Navigation Software > Preferences

General Preferences



General Preferences

Rand McNally recommends that you set your Yard Time Zone in the IntelliRoute® navigation software so that it is the same as the time that displays in the HOS application in the HD 100 software. This terminal time can be viewed and edited in the Rand McNally Connect web portal (**Management > Settings > System Settings > Terminal Settings**).

Route Preferences



Route Preferences

NOTE: The Truck ETA Adjustment setting considers the time it would take you to drive the selected route, but does not take into account your available Hours of Service time.

Using the IntelliRoute® Navigation Software > Live Features

Live Features

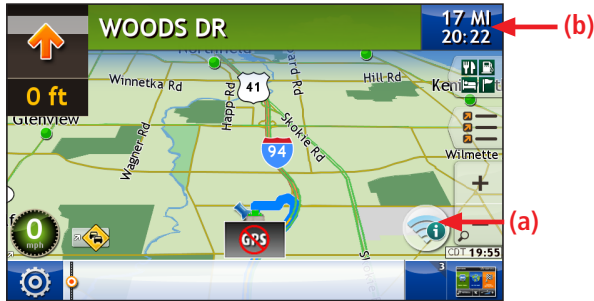
Support for Live Features such as Live Traffic and Weather requires using Wi-Fi® from a hotspot or a connected smart device in your truck. While your IntelliRoute® TND™ 720 is connected to your Wi-Fi® hotspot, you will be temporarily disconnected from the HD 100.

NOTE: While your IntelliRoute® TND™ 720 is connected to a Wi-Fi® hotspot (and disconnected from the HD 100), your Hours of Service data will be momentarily paused on your IntelliRoute® TND™ 720 screen. Your HD 100 device will continue to capture your Hours of Service data, and once you reconnect to the HD 100 (and disconnect from the hotspot), your Hours of Service data will update and be visible on your IntelliRoute® TND™ 720 again.

If you are using the Live Features, any Hours of Service-related warnings will trigger the HD 100 to buzz (warnings on the IntelliRoute® TND™ 720 will not occur while the IntelliRoute® TND™ 720 is connected to a Wi-Fi® hotspot and disconnected from the HD 100).

Using the IntelliRoute® Navigation Software > Live Features

Map Screen





(a) Toggle Between HD 100 and Wi-Fi® Hotspot Connectivity

To use the Live Features:

Click the HOS icon (🕒), select **Activate Live Features**, then select **Configure Live Features**. You can then select your Wi-Fi® hotspot and which Live Features to use.

To reconnect to the HD 100:

Click the Live Features icon (📶), then select **Activate HD 100**. When you reconnect to the HD 100, any Live Features you were previously using will become inactive on the map.

Icon	Connectivity
	Indicates IntelliRoute® TND™ 720 device is ready to connect to your Wi-Fi® hotspot for Live Features support.
	Indicates IntelliRoute® TND™ 720 device is connected to the HD 100 device.

(b) Distance/ETA Clock

The Distance/ETA clock will periodically toggle between the selected distance/ETA and the Hours of Service Effective Drive Time (controlled from the HOS application within the HD 100 software).


NOTE: The ETA listed in the Distance/ETA clock does not take into account Hours of Service information; just the time it would take you to complete the selected route.

Using the HD 100 Software > Log On

HD 100 Log On Screen

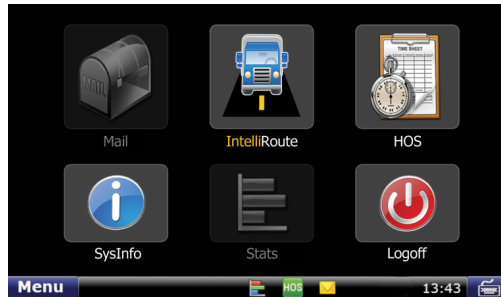


Log On

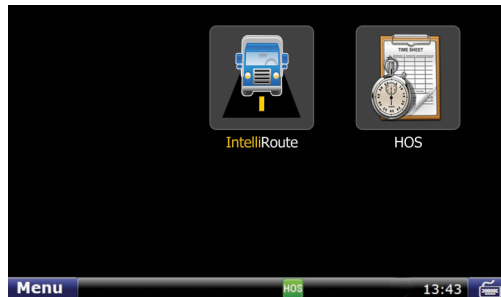
- Once the HD 100 software loads, log on by entering the Driver ID you created when activating your device through the Rand McNally Dock™, then tap **Submit**.
- Tap the IntelliRoute® button () to go back to the IntelliRoute® Home Menu from the Log-on Screen.

Using the HD 100 Software > HD 100 Software Overview

HD 100 Home Menu Screen



HD 100 Home Menu Safe-driving Screen



This section provides an overview of what you see on the screen once you log on to the HD 100 software.

HD 100 Home Menu

The Home Menu of the HD 100 software displays various icons.

- **IntelliRoute®:** Return to the IntelliRoute® software.
- **HOS:** Access electronic Hours of Service logs, Vehicle Inspection Reports and Trip Sheets.
- **SysInfo:** View software settings and communication status.
- **Logoff:** Log off the HD 100 software.

HD 100 Home Menu Safe-driving Screen

When your truck is moving, the Home Menu Safe-driving screen displays, simplifying the visible icons to help reduce driving distractions.

NOTE: Greyed-out icons indicate other available applications. For more information on upgrading your service plan to include additional applications, visit the Rand McNally Dock™.

Using the HD 100 Software > HD 100 Software Overview

HD 100 Software Status Bar



Status Bar

The status bar remains visible at the bottom of every screen in the HD 100 software and gives you easy access to current information about the HD 100.

Menu Button

Tap the Menu button (**Menu**) to return to the HD 100 Home Menu.

Status Bar Timer

The status bar timer at the bottom of your screen always displays your current available drive time (**HOS 05:55**). The time displayed is the lesser of the times remaining in the current 8-hour On-Duty, 11-hour Driving, 14-hour On-Duty, and 70-hour On-Duty periods.

- When you have one hour or more of available drive time, the HOS icon displays in **green**.
- When you are within one hour of the legal limit of any HOS requirement, the HOS icon displays in **yellow**.
- When you are in violation of any HOS requirement, the HOS icon displays in **red**.

Balloon messages will appear above the HOS icon on the Status Bar when there are HOS alerts.

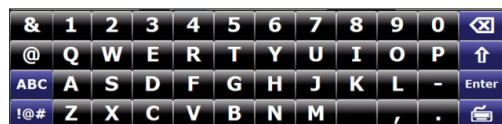
The HD 100 device will also buzz when HOS alerts occur. HOS alerts include items such as driving while not logged onto the HD 100 software, exceeding 11-hour, 14-hour or 70-hour rules, unresolved DVIR defects, uncertified DVIR entries, and more.

Using the HD 100 Software > HD 100 Software Overview


HD 100 Software Status Bar




HD 100 Software Keyboard



Communication Status


The cell communication icon () indicates you have cellular connectivity. A red X will appear on the icon if you do not have cellular connectivity.

System Alerts


If there are system alerts, the system alerts icon () will appear on the status bar. System alerts include no GPS communication.

Balloon messages will appear above the system alerts icon on the status bar when there are HOS alerts. Tap the icon to view a balloon message for more details about the system alert.

Terminal Time


The time () displayed on the right-hand side of the status bar indicates your terminal time, which is the time that your Hours of Service logs are based on.

Keyboard

Tap the keyboard button () on the HD 100 status bar to display the keyboard. Tap the keyboard button again to hide it.


 Alpha characters

 Symbols

 Toggle between upper and lower case letters

 Backspace

 Space bar

 Enter

Using the HD 100 Software > HOS Feature Overview

Summary Tab

Timer	Time	Reset	Remaining
70hr	39:02:57	10Hr Reset	10:00:00
11hr	09:17:42	Split Reset	N/A
14hr	01:51:32	34hr Reset	86:36:31
8hr	00:00:00	30min Reset	N/A

This section provides an overview of features on each screen of the HOS application.

Summary: Current Duty Status & Timers

The Summary tab displays your current duty status and the time remaining before you are in violation of each HOS rule.

- **Title** displays your Driver ID and current duty status.
- **Status Box** displays your effective remaining drive time. The effective remaining drive time displayed is the lesser of the times remaining in the current 8-hour On-Duty, 11-hour Driving, 14-hour On-Duty, and 70-hour On-Duty periods:
 - **Green** text means more than 1 hour drive time available.
 - **Yellow** text means 1 hour or less of drive time available.
 - **Red** text means you are out of drive time and will be in violation if you continue to drive.

Using the HD 100 Software > HOS Feature Overview

Summary Tab

The screenshot shows the 'Summary' tab of the HD 100 software. At the top, there are tabs for 'Summary', 'Logs', 'DVR', 'Options', and 'Company'. Below these, a status bar indicates 'Mike_Stephenson is 'On-duty''. A red warning message states: 'You need to take a 30 minute break - do NOT drive!'. To the right of the warning are buttons for 'Today's log' and 'More timers'. The main area displays a table of HOS timers:

Timer	Time	Reset	Time
70hr	39:02:57	10Hr Reset	10:00:00
11hr	09:17:42	Split Reset	N/A
14hr	01:51:32	34hr Reset	86:36:31 ?
8hr	00:00:00	30min Reset	N/A

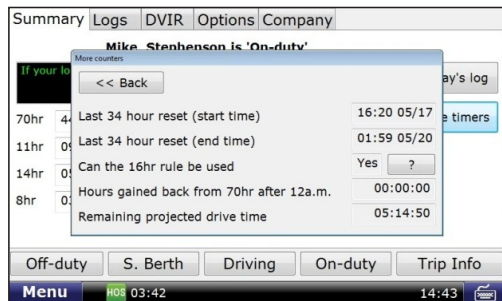
At the bottom, there are buttons for 'Off-duty', 'S. Berth', 'Driving', 'On-duty', and 'Trip Info'. A 'Menu' button is on the far left. The bottom status bar shows 'HOS 00:00' and the time '14:23'.

HOS timers displayed include:

- **70hr:** Time remaining until your 70-hour On-Duty limit is reached.
- **11hr:** Time remaining until your 11-hour Driving limit is reached.
- **14hr:** Time remaining until your 14-hour On-Duty limit is reached.
- **8hr:** Time remaining until your 8-hour On-Duty limit is reached before you must take a required 30-minute Off-Duty break.
- **10hr Reset:** Time remaining in the 10-hour Off-Duty and/or Sleeper Berth break period required after 14 hours of On-Duty status.
- **Split Reset:** Time remaining in the break period for a split Sleeper Berth to complete.
- **34hr Reset:** Time remaining until your 34-hour reset is complete.
 - Tap ? next to 34-hr Reset to view when you are eligible to take advantage of the 34-hour reset rule, and what day and time the 34-hour reset will complete.
- **30min Reset:** Time remaining until your 30-minute Off-Duty break is complete.

Using the HD 100 Software > HOS Feature Overview

More Timers Pop-up Window



Tap **More timers** to view additional HOS timers:

- **Last 34 hour reset (start time):** The time your last 34-hour reset started.
- **Last 34 hour reset (end time):** The time your last 34-hour reset ended.
- **Can the 16-hour rule be used?** Indicates if you are eligible to use the 16-hour rule, based on your current duty cycle. To enable this feature, go to the Rand McNally Connect web portal [**Management > System Settings > Driver Settings**].
 - Tap **?** to view more details about your 16-hour eligibility.
- **Hours gained back from 70hr after 12 A.M.:** Amount of Driving time available to you starting at 12 A.M. the next day, based on the amount of On-Duty and Driving hours you've completed in the current 8-day period.
- **Remaining projected drive time:** Your available remaining Driving time.
 - Tap **Today's log** to view the graph version of each day in the current 8-day period. For more information, see the Graph Sub-tab on page 35.

Using the HD 100 Software > HOS Feature Overview

Summary Tab

Timer	Value	Reset	Value
70hr	39:02:57	10Hr Reset	10:00:00
11hr	09:17:42	Split Reset	N/A
14hr	01:51:32	34hr Reset	86:36:31
8hr	00:00:00	30min Reset	N/A

Summary: Current Duty Status & Timers

To start your day and enter required log details:

- Tap **Trip Info**, and enter the information below about your trip. Completing a Trip Info entry will move you to On-Duty status and will start your 14-hour On-Duty day.
 - **Load #** (BOL)
 - **Co-driver**
 - **Trailer(s)**
 - **Remarks** (Select **Pre-trip** from the drop-down menu)

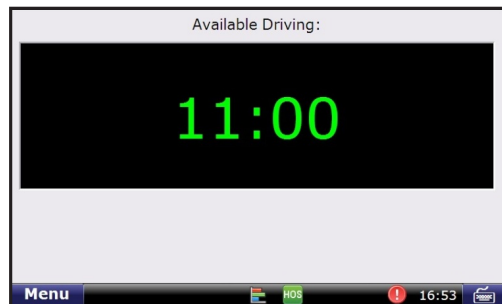
NOTE: DOT regulations require the driver to enter BOL and trailer information while using Electronic Logging Devices, such as the HD 100.

To update your current duty status:

- Tap **Off-duty** for breaks or other required off-duty periods.
- Tap **S. Berth** to enter sleeper berth mode.
- Tap **On-Duty** to enter on-duty mode. The system automatically switches between On-Duty and Driving status while you progress through your day.

Using the HD 100 Software > HOS Feature Overview

HOS Safe-driving Screen



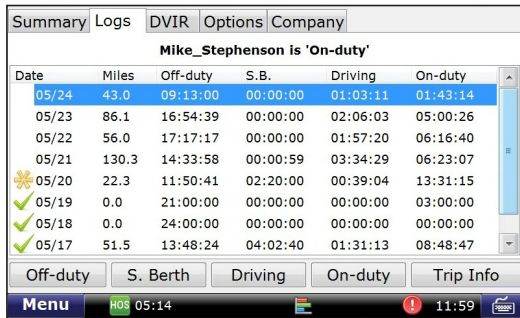
HOS Safe-driving Screen

If you select the HOS icon from the HD 100 Home Menu while driving, the HOS safe-driving screen will display, displaying your effective remaining drive time in large type to help minimize driver distraction. This time is the same time that displays on the status bar. For more information on the timer, refer to the status bar section on page 24.

If you have enabled the 16-hour rule and are using the rule while driving, two timers will be visible to display your effective remaining drive time.



Using the HD 100 Software > HOS Feature Overview

Logs Tab



The screenshot shows the 'Logs' tab in the HD 100 software. At the top, there are tabs for 'Summary', 'Logs', 'DVIR', 'Options', and 'Company'. The 'Logs' tab is selected, and the title 'Mike Stephenson is 'On-duty'' is displayed. Below the title is a table with columns: Date, Miles, Off-duty, S.B., Driving, and On-duty. The table contains log entries for dates from 05/17 to 05/24. The entry for 05/24 is highlighted in blue. Below the table are buttons for 'Off-duty', 'S. Berth', 'Driving', 'On-duty', and 'Trip Info'. At the bottom, there is a 'Menu' button and a status bar showing 'HOS 05:14' and a red warning icon.

Date	Miles	Off-duty	S.B.	Driving	On-duty
05/24	43.0	09:13:00	00:00:00	01:03:11	01:43:14
05/23	86.1	16:54:39	00:00:00	02:06:03	05:00:26
05/22	56.0	17:17:17	00:00:00	01:57:20	06:16:40
05/21	130.3	14:33:58	00:00:59	03:34:29	06:23:07
✿ 05/20	22.3	11:50:41	02:20:00	00:39:04	13:31:15
✓ 05/19	0.0	21:00:00	00:00:00	00:00:00	03:00:00
✓ 05/18	0.0	24:00:00	00:00:00	00:00:00	00:00:00
✓ 05/17	51.5	13:48:24	04:02:40	01:31:13	08:48:47

- **Title** lists driver name and current duty status.
-  indicates the currently selected day.
- ✿ indicates a revision has been made to the log in the Rand McNally Connect web portal that requires the driver to review and certify.
-  indicates the log has been certified.
- **Date** indicates the date of 24-hour log period.
- **Miles** indicates the # miles driven in 24-hour log period.
- **Off-duty** indicates time in off-duty mode.
- **S.B.** indicates time in sleeper berth mode.
- **Driving** indicates time in driving mode.
- **On-duty** indicates time in on-duty mode.

Logs: 8-day Duty Status Totals

The Logs tab displays your duty status totals and total miles driven for each day in the current 8-day period.

- Tap on a log entry to view the graph version of the log. For more information on the Graph screen, refer to page 35.

If a log entry is highlighted in orange, this indicates that the log entry has not yet been uploaded to the Rand McNally Connect web portal. To upload your current HOS logs (up to the current minute) to the Rand McNally Connect web portal, tap **Options**, then click the **Send Logs** button. The orange highlight will disappear once the logs are sent.

Using the HD 100 Software > HOS Feature Overview

DVIR Tab

Date	Defect	Reported by
17:20 10/21	No defects	LOVE,_MICHAEL
15:20 10/20	No defects	LOVE,_MICHAEL
17:22 10/19	1 defects	LOVE,_MICHAEL
17:22 10/18	No defects	LOVE,_MICHAEL
17:22 10/17	No defects	LOVE,_MICHAEL

Buttons: Add DVIR, Inspection List, Off-duty, S. Berth, Driving, On-duty, Trip Info, Menu, HOS 05:15, 11:57

- Tap **Add DVIR** to enter a new Vehicle Inspection Report entry.
- Tap **Inspection List** to view an itemized list of all potential defects that you can enter when you complete a Vehicle Inspection Report entry.
 - A blank space in this column means the DVIR entry has not yet been certified.
 - Indicates that the DVIR entry has been certified.
 - Indicates that the DVIR entry includes defects that were found on the vehicle.
 - **Date:** Displays the time and date the DVIR entry was made.
 - **Defect:** Displays the number of defects listed in the DVIR entry.
 - **Reported By:** This column tells you the Driver ID of the person who added the DVIR entry.

NOTE: If there are other drivers in your company's account who have logged into the same HD 100 device, you may see DVIR entries made by other drivers on the DVIR tab.

DVIR: 8-day Vehicle Inspection Report Summary

The DVIR tab displays all Vehicle Inspection Report entries made for each day in the current 8-day period.

Options Tab



Options Tab

The Options tab is where you can change modes for roadside inspections, personal conveyance, and more.

- Tap **Request Logs** to refresh your HOS logs if you have recently moved from truck to truck and your logs are not yet visible on the device.
- Tap **Send Logs** to upload your current HOS logs (up to the current minute) to the Rand McNally Connect web portal.

- Tap **Change Trucks** if you are going to be using a different truck with a different HD 100 device installed in it. This will ensure that the next truck you use will display your most up-to-date log information.
- Tap **Fax/Email Logs** to send logs to Law Enforcement.

NOTE: You must certify all logs except for the current day's log, and enter Roadside Audit mode before faxing or emailing your logs.
- Tap **View Violations** to view all log violations made in the current 8-day period.
- Tap **Change Mode** to enter Roadside Audit mode if you are showing your device to Law Enforcement, or Personal Conveyance mode if you are using your vehicle for personal use.
- Tap **Request Last DVIR** if you have received a replacement HD 100 device for the vehicle #, as the new unit will not have the last DVIR on it.

Using the HD 100 Software > HOS Feature Overview

Company Tab

Summary Logs DVIR Options Company

Carrier

Name ABC Logistics DOT# ABC123

Address 200 N. 5th St
Niles, MI 49120

Cycle US: 70hr 8 day / Canada: Cycle 1, 70hr 7 day

Terminal

Name ABC Logistics Start 00:00 EST

Address 200 N. 5th St
Niles, MI 49120

Off-duty S. Berth Driving On-duty Trip Info

Menu HOS 08:00 13:37

Company Tab

The Company tab displays your company information, terminal information and DOT number. This information is required for your electronic logs to be compliant. The information displayed here is what you provided when you activated in the Rand McNally Dock™. Changes to this information may be made via the Rand McNally Connect web portal.

Carrier

The upper half of the screen displays your company information, including Hours of Service Type and DOT number.

- **Name**
- **Address**
- **Cycle:** This field shows the Hours of Service type you are following, such as U.S. 8-day.
- **DOT Number**

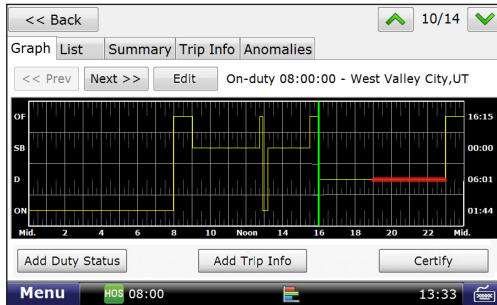
Terminal

The lower half of the screen displays your terminal information. This may be the same information listed in the Carrier section above.

- **Name**
- **Address**
- **Start:** This field shows the time and time zone for the terminal, which is the time that your Hours of Service logs are based on.

Using the HD 100 Software > HOS Feature Overview

Graph Sub-tab



Graph: Day's Log Graph

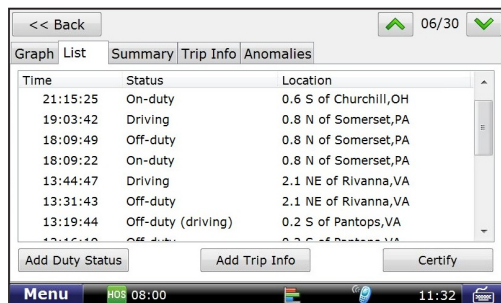
The Graph sub-tab visually depicts the log from the selected day.

- A **red** line on the graph indicates a log violation.
- Tap and to scroll through the Graph log of each day for the last 8 days.
- Tap and to move the green cursor on the graph. The corresponding duty status, time and location will display above the graph.
- Tap **Edit** to make changes to a Duty Status or Trip Info entry. Driving status cannot be edited.
 - If the selected log is already certified, tap **View** to view details of Duty Status or Trip Info entries.
- Tap **Add Duty Status** to add another duty status to a previous day.
- Tap **Add Trip Info** to add a Trip Info entry to the selected day's log (load number, trailers, pre- or post-trip status, etc).
- Tap **Certify** to certify the selected day's log as correct, starting with the oldest day in the current 8-day period first. Once you certify a log, you cannot make any changes to that day's log.

NOTE: The buttons for adding a Duty Status/Trip Info entry and certifying a log are also visible on the List sub-tab.

Using the HD 100 Software > HOS Feature Overview



List Sub-tab



Time	Status	Location
21:15:25	On-duty	0.6 S of Churchill,OH
19:03:42	Driving	0.8 N of Somerset,PA
18:09:49	Off-duty	0.8 N of Somerset,PA
18:09:22	On-duty	0.8 N of Somerset,PA
13:44:47	Driving	2.1 NE of Rivanna,VA
13:31:43	Off-duty	2.1 NE of Rivanna,VA
13:19:44	Off-duty (driving)	0.2 S of Pantops,VA
13:16:10	Off-duty	0.2 S of Pantops,VA

List: Day's Duty Statuses

The List sub-tab displays all duty statuses recorded on the selected day.

- Tap  and  to scroll through Duty Status history List for each day in the current 8-day period.
- Tap any Duty Status or Trip Info entry to view additional details. You can edit the entry if you have not yet certified the selected day's log. Driving status cannot be edited.

Duty Status Entries:

- **Time** indicates time of duty status entry. Click the Time column heading to view the duration of each duty status.
- **Status** indicates type of duty status (Off-Duty, Sleeper Berth, Driving, On-Duty).
- **Location** indicates location of duty status entry.

Summary Sub-tab

Totals for day		Running totals for day	
Off-duty	12:07:23	14hr	19:01:00
S.B.	00:00:00	70hr total	11:52:37
Driving	00:41:22	Remaining 70hr	58:07:23
On-duty	11:11:15	Return to terminal count	1
Miles	36.4	Last 34hr reset (start time)	16:30 06/02

Summary: Day's Duty Status Totals

The Summary sub-tab shows the number of miles driven, Duty Status totals and running totals for various HOS rules for the selected day.

- Tap and to view a summary of duty status totals for each day in the current 8-day period.

Totals for the Day:

- **Off-duty** indicates total Off-Duty time.
- **S.B.** indicates total Sleeper Berth time.
- **Driving** indicates total Driving time.
- **On-duty** indicates total On-Duty time.
- **Miles** indicates total miles driven.

Running Totals for Day:

- **14hr:** Total time used against the 14-hour rule on the selected day
- **70hr Total:** Total time used against the 70-hour rule as of the end of the selected day
- **Remaining 70hr:** Remaining time in 70-hour cycle as of the end of the selected day
- **Return to terminal count:** If you use the 16-hour rule, this displays the number of returns to terminal recorded
- **Last 34hr reset (start time):** Start time and date of your last 34-hour reset

Using the HD 100 Software > HOS Feature Overview

Trip Info Sub-tab

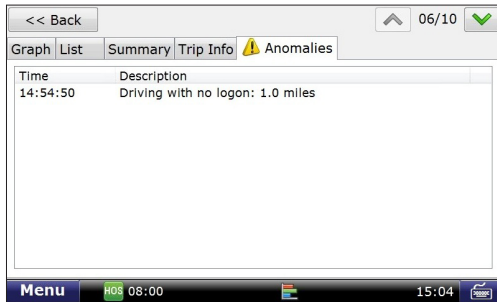
Truck#	Work Miles	Personal Miles
2112	56.1	0.0

Trip Info: Day's Trip Information

The Trip Info sub-tab displays the co-driver(s), trailer(s), bill(s) of lading, work miles and personal miles recorded on the selected day.

- Tap and to scroll through the Trip Info for each day in the current 8-day period.
- **Co-driver(s):** co-driver name(s)
- **Trailer(s):** trailer ID(s)
- **BOL(s):** Bill of Lading number(s)
- **Truck #:** tractor number
- **Total Miles:** total miles driven
- **Personal Miles:** total miles driven in Personal Conveyance mode

Anomalies Sub-tab



Anomalies: Driver or Sensor Issues

The Anomalies sub-tab displays any errors recorded during the selected day such as system issues or driving recorded while the driver was not logged into the system.

- **Time** displays the time the event was recorded.
- **Description** provides details of the event.

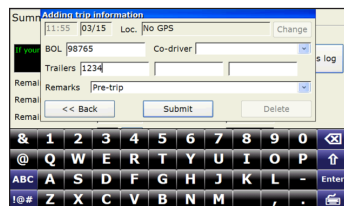
NOTE: If a system error occurs, you must keep paper logs during this period.

Using the HD 100 Software > HOS: A Day in the Life of a Driver

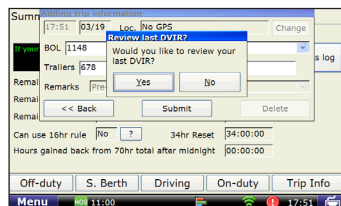
HOS: A Day in the Life of a Driver

This section walks you through how to use the HOS application from the beginning of your day until the end of your day.

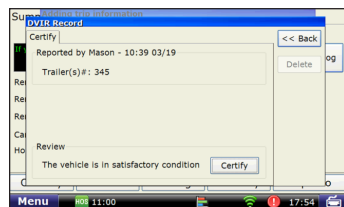
(a) Trip Info Pop-up Window



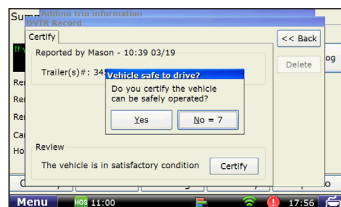
(b) Review DVIR Pop-up Window



(c) DVIR Pop-up Window



(d) Final Certification Pop-up Window



Complete a Pre-Trip entry (and certify DVIR)

Enter a Trip Info entry to start your work day. This will start your 14-hour cycle and move you to On-Duty status. Once you enter a Trip Info entry, you should then review and certify the DVIR entry from the previous day.

(a) Complete a Trip Info entry

From the Summary screen, press **Trip Info**.

- Enter **Load**, **Trailers** and **Co-driver** information.
- Select **Pre-Trip** from the Remarks drop-down menu.
- Press **Submit**.

Your pre-trip is now complete! You are now in On-Duty status.

(b) Review DVIR after entering Trip Info

If there are outstanding DVIR entries, a pop-up will appear asking if you would like to review your last DVIR. Click **Yes**.

(c) Check to see if the last DVIR entry included any vehicle defects. Defects are vehicle maintenance issues that have been recorded.

(d) If no defects were recorded:

- Press **Certify**.
 - A pop-up will appear asking you to confirm that the vehicle can be operated safely. Click **Yes** if correct.

HD 100 Hours of Service > Complete a Pre-Trip Entry (and Certify DVIR)

DVIR Pop-up Window: Certify Repairs

DVIR Record

Certify | Defects

Reported by Jill Swanson - 10:44 03/15

Trailer(s) #: 12345

Repair

☐ No repairs needed ☐ Repairs Made

Certify

Review

The vehicle is in satisfactory condition

Certify

Off-duty | S. Berth | Driving | On-duty | Trip Info

Menu | HOS 10:59 | 13:27

DVIR Pop-up Window: Final Certification

DVIR Record

Certify | Defects

Reported by Jill Swanson - 10:44 03/15

Trailer(s) #: 12345

Repaired by Jill Swanson - 14:41 03/19

☐ No repairs needed ☒ Repairs Made

Review

The vehicle is in satisfactory condition

Certify

Off-duty | S. Berth | Driving | On-duty | Trip Info

Menu | HOS 00:00 | 15:02

If defects were recorded:

Review the repairs and certify the repairs.

- Review the repairs and select **No Repairs Needed** or **Repairs Made**.
- Review the information on the **Certify** and **Defects** tabs to confirm that it is correct.
- Click **Certify**.

Certify the Entire DVIR Entry

- Review the vehicle is safe to operate and click **Certify**.
 - A pop-up will appear asking you to confirm that all defects have been corrected, or if there are defects, that they do not affect your ability to operate the vehicle safely.
 - Click **Yes** if this is correct.

HD 100 Hours of Service > Review and Certify Log from the Previous Day

Logs Tab

Summary	Logs	DVIR	Options	Company	
Mike_Stephenson is 'On-duty'					
Date	Miles	Off-duty	S.B.	Driving	On-duty
05/24	43.0	09:13:00	00:00:00	01:03:11	01:43:14
05/23	86.1	16:54:39	00:00:00	02:06:03	05:00:26
05/22	56.0	17:17:17	00:00:00	01:57:20	06:16:40
05/21	130.3	14:33:58	00:00:59	03:34:29	06:23:07
✿ 05/20	22.3	11:50:41	02:20:00	00:39:04	13:31:15
✓ 05/19	0.0	21:00:00	00:00:00	00:00:00	03:00:00
✓ 05/18	0.0	24:00:00	00:00:00	00:00:00	00:00:00
✓ 05/17	51.5	13:48:24	04:02:40	01:31:13	08:48:47
Off-duty		S. Berth		Driving	On-duty
				Trip Info	
Menu		H08 05:14		11:59	

Review and certify logs from the previous day

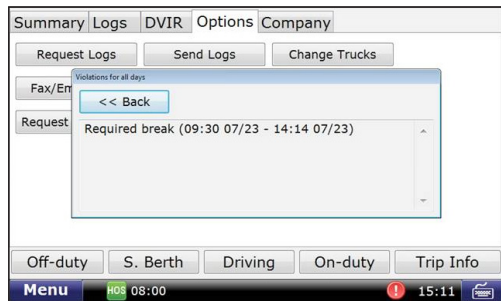
Before you start driving, you should make sure all of the previous logs in your current 8-day cycle are certified.

NOTE: You must be in On-Duty status to certify your logs.

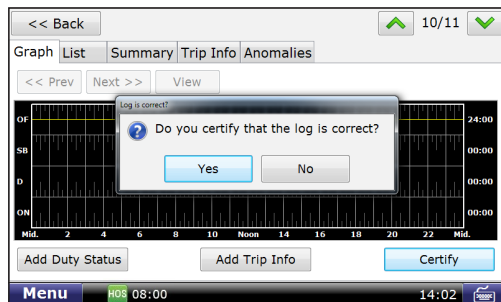
- From the Logs tab, click the oldest log first that does NOT have a check mark next to it. Review and certify this log first.
- Review the graph version of the log on the Graph Screen, then review the information on the List, Summary, Trip Info and Anomalies screens.

HD 100 Hours of Service > Review and Certify Log from the Previous Day

Violations Pop-up Window



Certify Pop-up Window



Review any violations

If you view any violations on the Graph screen, you can view more detailed information about all violations. To view all violations in the current 8-day period, tap **Options > View Violations**. A pop-up will appear that lists the type of violation, and the start and end of the violation period.

If, after making all necessary corrections, you are still in violation, and wish to certify, you are still able to certify the log. If you click Certify and there is a violation on the log, a pop-up will appear that says "There is a violation. Do you still want to certify?"

Certify log

Once you confirm that the log is correct, click **Certify**.

If you have more than one log to certify, continue to certify all other logs, from oldest to newest.

NOTE: Once you certify your log, you cannot make any changes to that day's log on the in-cab device. Any changes that need to be made after certification must be made in the Rand McNally Connect web portal.

HD 100 Hours of Service > Ending Your Trip

DVIR Tab



Add DVIR Pop-up Window

Add DVIR Pop-up Window

Ending your trip

At the end of your work day, you can inspect your vehicle, enter a new DVIR entry, and go into Off-Duty mode. This will end your current 14-hour On-Duty cycle.

The header of the screen may indicate critical compliance information, such as, "You need to review DVIR record," or "Don't forget to do a DVIR at the end of your work shift".

-  indicates the DVIR has been certified
-  indicates there is at least one outstanding defect that should be reviewed

Add a post-trip DVIR

- Press **DVIR** tab.
- Press **Add DVIR**.
 - Enter Trailer #.
 - Select **Yes** if you found any defects during your inspection.
 - Select **No** if there are none.
- If there is a defect, enter the **Location** (General Truck Condition, Truck Cab, etc.), the **Defect** and any **Remarks** about the defect.
- Click **Add**.
- A pop-up will appear asking if there are any more defects to report.
 - Select **Yes** if you found additional defects.
 - Select **No** if there are no more defects.
- If there is a defect, enter the **Location** (General Truck Condition, Truck Cab, etc.), the **Defect** and any **Remarks** about the defect.
- Repeat this process for any additional defects.

HD 100 Hours of Service > Ending Your Trip

Add Duty Status Pop-up Window

Summ Adding record of duty status

18:09 03/19 HOS status Sleeper berth

Loc. Chicago, IL Change

Starting odometer 595,987 Miles

Remarks

<< Back Submit Delete

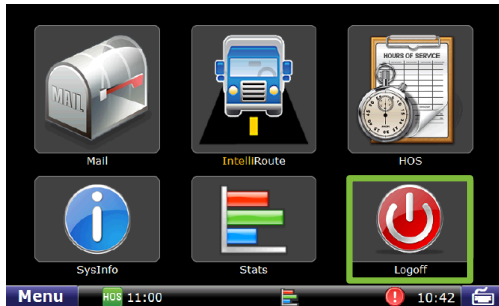
& 1 2 3 4 5 6 7 8 9 0 < >

@ Q W E R T Y U I O P ↑

ABC A S D F G H J K L - Enter

!@# Z X C V B N M , .

HD 100 Home Menu



Go Off-Duty

- Click **Off-Duty** or **Sleeper Berth**.
 - Select **Off-Duty** from the Remarks drop-down menu.
 - Click **Submit**.

NOTE: If you forget to complete a post-trip DVIR entry before clicking Off-Duty, the system will remind you to complete one before you end your day.

If you plan on using another truck equipped with a different HD 100 device in it, or if you are a team driving and another driver will be using the same HD 100, you must log off to ensure your log data is accurate.

- From the Home Menu, click the **Logoff** icon (⏻).

HD 100 Hours of Service > Editing Incorrect Log Information

Edit Duty Status Pop-up Window

Editing record of duty status

12:00 05/24 HOS status

Loc. No GPS

Starting odometer N/A

Remarks

<< Back Submit Delete

Editing incorrect log information

If you realize that you have entered an incorrect duty status or Trip Info entry, you can still make edits to this information, but only if you have not certified the log from that day.

NOTE: You can make edits to logs that you have not yet certified. Driving status cannot be edited!

Edit a duty status or Trip Info entry

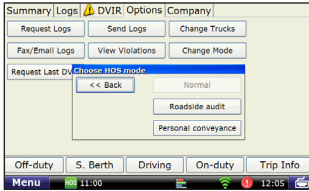
- Press **Logs** tab.
- Click the day you would like to edit.
- Press the **List** sub-tab.
 - Click the duty status you want to edit.
 - Make the change you want (Time, Location, Load, Trailers, Remarks & HOS Status).
 - Press **Submit**.

Add a duty status or Trip Info entry

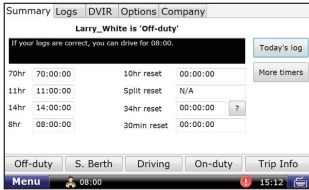
- Press **Logs** tab.
- Click the day you would like to edit.
- Press the **Graph** or **List** sub-tab.
 - Click **Add Duty Status** or **Trip Info**.
 - Enter details such as Time, Location, Load, Trailers, Remarks & HOS Status.
 - Press **Submit**.

HD 100 Hours of Service > Using Personal Conveyance

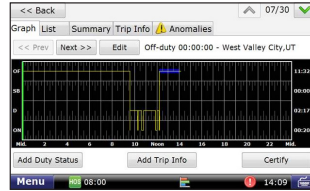
Change Mode Pop-up Window



Summary Tab (Personal Conveyance Mode)



Graph Sub-tab (Personal Conveyance Mode)



Using Personal Conveyance[†]

The Personal Conveyance option may be used to record the time spent driving for personal use.

NOTE: Before you go in Personal Conveyance mode, you must be in Off-Duty status. Personal Conveyance mode may only be used when your tractor is empty (when your vehicle is unladen).

To enter Personal Conveyance Mode:

- Press the **Options** tab.
- Click **Change Mode**.
- Click **Personal Conveyance**.

Personal Conveyance will be listed as Off-Duty status on the Summary tab. A blue highlight on the Off-Duty status line on the Graph sub-tab indicates Personal Conveyance usage.

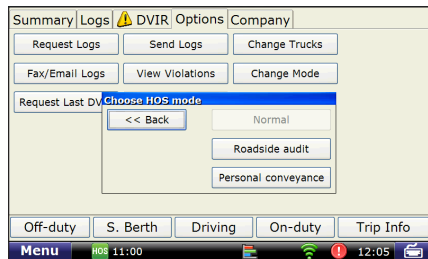
To discontinue Personal Conveyance Mode:

- Press the **Options** tab.
- Click **Change Mode**.
- Click **Normal**.

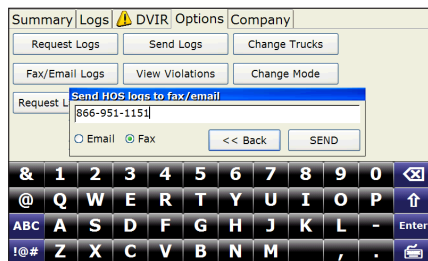
[†]Based on the HOS settings configured in the Rand McNally Connect web portal, the ability to use Personal Conveyance may be restricted. For more information on enabling Personal Conveyance, log on to connect.randmcnally.com, select the Help tab on the Menu Bar, then click Connect Help (Management > System Settings > Driver Settings).

HD 100 Hours of Service > What To Do During an Inspection

Change Mode Pop-up Window



Fax/Email Logs Pop-up Window



What to do during an inspection

- During an inspection, you have two options to provide your logs to Law Enforcement:
 - Directly on the IntelliRoute® TND™ 720 screen
 - Fax or email your logs to the inspector

Before the inspection

Before being inspected, you should enter **Roadside Audit** mode. While you are in Roadside Audit mode, your log information will simplify so Law Enforcement sees only the information they are required to see, and no edits may be made to your logs while Law Enforcement views your device.

- Enter **Roadside Audit Mode**.
 - Press the **Options** tab.
 - Tap **Change Mode**, then **Roadside Audit** before showing your device to Law Enforcement.

NOTE: With the exception of the current day's log, you must certify all logs before entering into Roadside Audit mode.

HD 100 Hours of Service > What To Do During an Inspection

Company Tab

Summary | Logs | DVIR | Options | **Company**

Carrier
Name: ABC Logistics DOT#: ABC123
Address: 200 N. 5th St
Niles, MI 49120
Cycle: US: 70hr 8 day / Canada: Cycle 1, 70hr 7 day

Terminal
Name: ABC Logistics Start: 00:00 EST
Address: 200 N. 5th St
Niles, MI 49120

Off-duty | S. Berth | Driving | On-duty | Trip Info

Menu | HD 08:00 | 13:37

Exit Roadside Audit Mode Pop-up Window

Summary | Logs | DVIR | Options | Company

Request Logs

Exit audit mode?
To exit roadside audit mode enter your driver ID/ogon: JSMITH

Request Last DV

<< Back | Unlock

Roadside audit

Keyboard overlay: & 1 2 3 4 5 6 7 8 9 0, @ Q W E R T Y U I O P, ABC A S D F G H J K L, !@# Z X C V B N M, , .

During the inspection

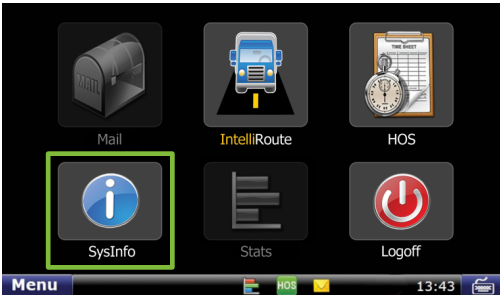
- **Show Hours of Service Driver & DOT Quick Reference Card to Law Enforcement.** This document shows how to view your logs on the device and that the HD 100 is compliant with Federal Motor Carrier Safety Regulation 49 CFR § 395.15.

- **Fax or email logs to inspector.** Law Enforcement may prefer to be sent your logs instead of viewing them directly on your IntelliRoute® TND™ 720 screen. You can email your logs to law enforcement's email address or fax to their office.
 - Tap **Fax/Email Logs** to send logs to Law Enforcement (you must be in Roadside Audit mode).
 - Select **Email** or **Fax**, enter valid fax # or email address, then tap **Send**.
- Tap the **Company** tab to display your company and terminal information and your DOT number.
- Once inspection is finished, tap **Normal**, then enter your **Driver ID** to exit Roadside Audit mode.

NOTE: Before you email or fax your logs to the inspector, all logs must be certified and you **MUST** be in Roadside Audit Mode. Be sure to enter the email or fax correctly, as you will have to wait 10 minutes to email or fax your logs again if the message does not go through.

HD 100 SysInfo > Overview

SysInfo Icon on Home Menu



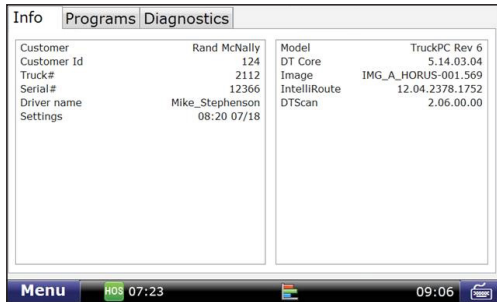
SysInfo Overview

Select the **SysInfo** icon on the Home Menu to view technical information about your HD 100 device.

SysInfo opens to the Info tab. The tabs in SysInfo are explained in the table to the left.

Tab	Function
Info	Displays system information, such as HD 100 device Serial Number, Truck Number, and software versions.
Program	Displays which applications are currently open.
Diagnostics	Displays information related to your HD 100's communication status.

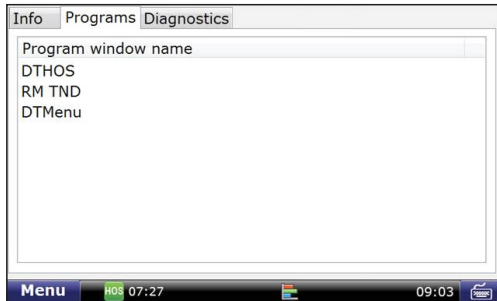
Info Tab



Info

The Info tab displays information about your HD 100, such as your HD 100 device's Serial Number, Truck Number, and software versions.

Programs Tab



Programs

The Programs tab displays which applications are currently open and running on your HD 100 device.

HD 100 SysInfo > Diagnostics

Diagnostics—JBus Sub-tab

Info Programs Diagnostics

Status: using cell

Health Check Cell Files JBus GPS

Status: no Jbus data present

Debug Info

Eng. odom. 0 Fuel level % 0

RPM 0 Ignition OFF

Speed 0

Total fuel 0

Audit JBus

Menu H08 08:00 15:03

Diagnostics—GPS Sub-tab

Info Programs Diagnostics

Status: using cell

Health Check Cell Files JBus GPS

Latitude 0.0000 Longitude 0.0000 Altitude 0

Speed 0.0 Direction 0.0

Debug Info

GPS status: No lock:

GPS lock time: 0

GPS no lock count: 0

Menu H08 08:00 15:02

Diagnostics

The Diagnostics tab displays information related to your HD 100's communication status.

Status: Shows the current method of communication.

Health Check: Confirms function of system hardware.

Cell: Provides status of cell connection.

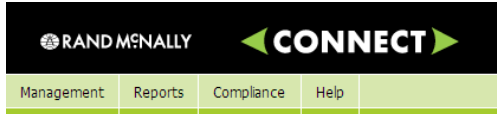
Files: Shows files scheduled for download or upload.

- Downloads to the truck can include software updates and dispatch files.
- Transfer provides the current status of the file being transferred. If you are expecting a software update, you can look here to see the status of that download. The percentage shown indicates how much of the file has been received.

JBus: Confirms connection to on-board computer.

GPS: Captures latitude, longitude, altitude, speed, direction and provides debug information for the GPS.

Accessing the Connect Web Portal > Overview



Overview

Along with the purchase of the HD 100 device and the included service plan, you get access to the Rand McNally Connect web portal. Your portal account retains your Hours of Service log history for six months per the U.S. Department of Transportation's requirements for electronic logging devices. Vehicle Inspection Reporting history is retained for three months.

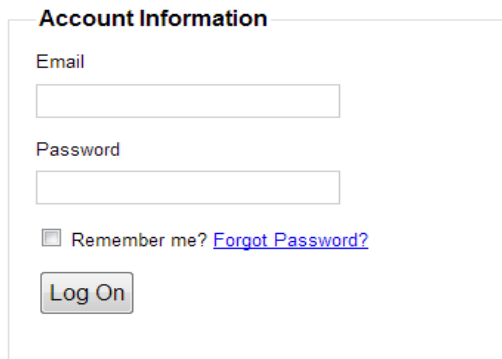
Information on how to use basic Connect web portal features (such as how to log on to the portal, set up additional drivers and set up additional portal users), as well as a list of all features available to you with the included service plan, is provided in the following sections.

For information on upgrading your service plan to include additional features, visit the Rand McNally Dock™.

NOTE: You do not have to log onto the Connect web portal before you can use your HD 100 in your truck. You may refer to the portal at your convenience when you would like to view your HOS logs, Vehicle Inspection Reports, Trip Reports, and State Mileage records.

Accessing the Connect Web Portal > Log On


Connect Web Portal Log-in Screen



The screenshot shows a login form titled "Account Information". It contains two text input fields: "Email" and "Password". Below the "Password" field is a checkbox labeled "Remember me?" followed by a blue hyperlink "Forgot Password?". At the bottom of the form is a grey button labeled "Log On".

Log On

To log onto the Connect web portal, go to **connect.randmcnally.com**.

Enter the email and password that you created during the HD 100 Activation process on the Dock,[™] then click .

NOTE: Your login information can also be found in the Activation email.

Management

Go to the Management Section to set up additional Driver IDs for your drivers and additional log-ins to your portal account for other users. You can also configure additional Hours of Service settings here, as set forth below.

Menu Option	Description
Drivers	<ul style="list-style-type: none">• Create additional Driver IDs if you have more than one driver in your account. Each driver in your account needs their own unique Driver ID so their log data is kept separate.• Edit Driver information and view a list of all of the Driver IDs in your account.
Vehicles	<ul style="list-style-type: none">• View a list of all of the HD 100 units in your account.
Administration	<ul style="list-style-type: none">• Create additional Rand McNally Connect web portal log-ins (for a spouse or other drivers who may work for you).• Edit portal user log-in details and settings so you can limit the information each user has access to and enable them to edit information in the portal.• View a list of all the people who have access to your portal account.
System Settings	<ul style="list-style-type: none">• Edit the basic HOS settings you entered in the Rand McNally Dock™ when you activated your first HD 100 device.• Configure additional Hours of Service settings for the HD 100 devices in your account (enable oil field exceptions, personal conveyance, etc.).
Reporting Groups	<ul style="list-style-type: none">• For fleet customers with multiple drivers and vehicles, organize which drivers and vehicles you would like to view in reports within the portal.

Accessing the Connect Web Portal > Reports

Reports

Go to the Reports section to view a report of the current status of a particular driver or vehicle. Here, you can also access records of state mileage and state line crossings for fuel tax filing, as well as Trip Sheet information.

Report Name	Description
Vehicle/Driver Info	<ul style="list-style-type: none">• View the most critical, up-to-date information about what a specific driver is doing right now (current HOS status, most recent DVIR entry, etc.).
State Mileage	<ul style="list-style-type: none">• View a record of miles traveled by state and fuel consumption for fuel tax filing.
State Line Crossing	<ul style="list-style-type: none">• View a record of all state and provincial line crossings for fuel tax filing.
Events and Positions	<ul style="list-style-type: none">• View a record of where your vehicle has traveled and any incomplete logs that are missing Load # or Trailer #. This report serves as an electronic “trip sheet” for all driver activity.

Compliance

Go to the Compliance section to access reports that show your current HOS status, your log history for the last 6 months, Vehicle Inspection reports, and more.

Report Name	Description
Vehicle Inspection	<ul style="list-style-type: none">• View an archive of your Vehicle Inspection Report entries for the last 3 months.
Current Totals	<ul style="list-style-type: none">• View the current HOS duty status totals for other drivers in your account.
Log Overview	<ul style="list-style-type: none">• View an archive of HOS duty status totals and daily log graphs for the last 6 months.
Personal Conveyance	<ul style="list-style-type: none">• Shows how much time each driver in your account has spent in personal conveyance mode.
Violations	<ul style="list-style-type: none">• View any current Hours of Service violations other drivers in your account are incurring.• View an archive of any Hours of Service violations for the last 6 months.• Check to see if you have any logs that are missing Trip Info details (including trailer # and load #). You can then enter the missing information here.
Uncertified Logs	<ul style="list-style-type: none">• View a list of drivers who have uncertified logs in their current 7 or 8-day duty cycle.
Unassigned Driving	<ul style="list-style-type: none">• Shows you any driving time that was recorded while a driver was not logged into the HD 100 software. You can then assign the driving time to the correct driver's logs in the portal.
Vehicle Inconsistencies	<ul style="list-style-type: none">• Shows any system issues and signs of tampering of the HD 100 device.

Accessing the Connect Web Portal > Help

Help

Go to the Help section to access training materials, including documents and videos. View a list of the newest software features. Sign up to attend training sessions for the device software and the portal.

Menu Option	Description
Connect Help	<ul style="list-style-type: none">• View the Connect web portal User Manual. This is especially helpful if you would like more information on additional Hours of Service settings you can configure (see the Management > System Settings section).• You can also view the Connect web portal User Manual without having to log into the Connect web portal by visiting randmcnally.com/connectwebportalhelp.
Training	<ul style="list-style-type: none">• Watch training videos and view user documentation (HD 100 User Manual, Hours of Service Driver & DOT Quick Reference Card, and more).• Sign up to attend training sessions for using the HD 100 software and the Connect web portal.
Support	<ul style="list-style-type: none">• View Customer Support information (support hours, email, phone).• Access the Live Chat option to talk directly with a Rand McNally Customer Support representative.
What's New	<ul style="list-style-type: none">• View the newest features available in the HD 100 device software and the Connect web portal.

Accessing the Connect Web Portal > Set Up Additional Web Portal Users

Set Up Additional Web Portal Users

If there is more than one person who will be logging into your Rand McNally Connect web portal account, you can create a unique log-in for each additional user. If you are an owner operator, you may want to add your spouse or your team driver so they can also access Hours of Service reports.

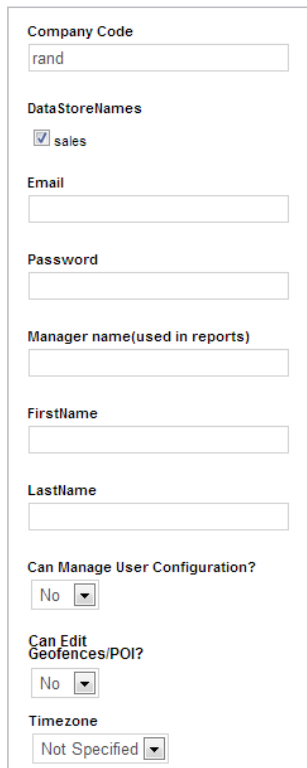
The first portal log-in in your account is the one you set up during the initial activation process on the Rand McNally Dock™. To add additional portal users, select the **Management** tab, then click **Administration**.

Your Rand McNally Connect web portal account is set up with one administrator log-in. This log-in will appear in the table as shown below:

UserID	Login	Can Manage User Configuration?	Status	Actions
1252	1234@yahoo.com	✓	✓	Edit Details

To add another portal user, click [Create New](#), add the required information, then click [Create New User](#).

Accessing the Connect Web Portal > Set Up Additional Web Portal Users



Company Code
rand

DataStoreNames
☒ sales

Email

Password

Manager name(used in reports)

FirstName

LastName

Can Manage User Configuration?
No ▼

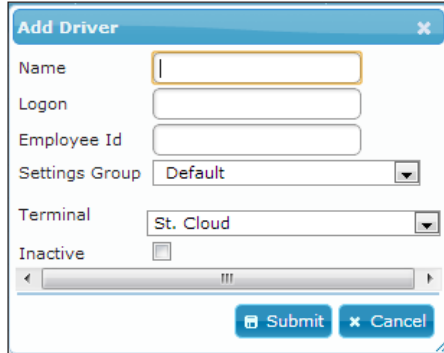
Can Edit Geofences/POI?
No ▼

Timezone
Not Specified ▼

- **Company Code**
This field will be pre-populated.
- **Data Store Name**
This field will be pre-populated.
- **Email**
- **Password**
- **Manager name**
This is used in reports. Use only alphanumeric characters (A-Z, 0-9) and make sure the Manager name is unique to your account.
- **First Name**
- **Last Name**
- **Can Manage User Configuration?**
(Select **Yes** if you would like the portal user to be able to change settings or edit logs or other compliance information; select **No** if you would like the portal user to be able to generate and view reports but not change any settings or change edit logs or other compliance information.)
- **Can Edit Geofences/POI?***
(Yes, No)
- **Time Zone** (Eastern, Central, Mountain, Western)

*This feature applies to customers who upgrade their service plan. Go to the Rand McNally Dock™ for more information.

Accessing the Connect Web Portal > Set Up Additional Drivers



Set Up Additional Drivers

Each driver must have his or her own Driver ID to log on to the HD 100 software. If there is more than one driver who will be using the HD 100 device(s) in your account, you will need to create a unique Driver ID for each individual driver. Unique Driver IDs help ensure that the HOS logs for all drivers in your account are kept accurate and separate.

The first Driver ID in your account is the one you set up during the initial activation process on the Rand McNally Dock™. To add additional drivers, select the **Management** tab on the Connect web portal menu, then click **Drivers**.

To add a driver, click **+ Add Driver**, add the information below, then click **Submit**.

- **Name** (this name will appear in the portal)
- **Logon** (this will be the log-in the driver uses to sign onto the in-cab unit)
- **Employee ID** (this will be the log-in the driver uses to sign onto the in-cab unit)
- **Settings Group** (see Management > System Settings > Driver Settings for more information)
- **Terminal** (see Management > System Settings > Terminal Settings for more information)

NOTE: All drivers can log onto all HD 100 devices in your account if they use an IntelliRoute® TND™ 720 that has been paired with the HD 100 device via the Rand McNally Dock™ activation process. For example, you may have two HD 100 devices in your account and five drivers, and all drivers have the ability to log onto any device with their unique Driver IDs.

If you add more HD 100 devices to your account, all devices will automatically be listed in the Management > Vehicles page in the Rand McNally Connect web portal once they have been activated.

Additional Information

Help Resources

Rand McNally provides you with various how-to documents and media for both the HD 100 device and the Connect web portal.

User Documentation

These items can be accessed in the Connect web portal.

If you lose the user documentation that is included in your HD 100 box or if you would like additional copies, you can save or print these items. This includes documents such as the HD 100 User Manual and Rand McNally Hours of Service Driver & DOT Quick Reference Card.

Where to access: **Help > Training > User Documentation**

HD 100 User Manual

This document gives you instruction on how to activate and install your HD 100 the first time, as well as how to use the HD 100 device software. Keep this document in your truck for future reference.

Rand McNally Hours of Service Driver & DOT Quick Reference Card

This visor card gives you instruction on the HD 100 Hours of Service application and what to do during a roadside inspection. Keep this document in your truck at all times.

Additional Resources can be accessed in the Connect web portal.

Connect Web Portal User Manual

While you are using the portal, you can refer to the Connect web portal User Manual. Select the Help tab, then click Connect Help. The User Manual will open in a new tab in your browser.

If you would like to save the Connect web portal User Manual to your computer or print it out, click Download PDF or Print.

Where to access: **Help > Connect Help**

Training Videos

Rand McNally offers various instructional videos on how to use the HD 100 device software, such as the Hours of Service application.

Where to access: **Help > Training > Training Videos**

HD 100 FAQs

The FAQ web page provides answers to frequently asked questions about the HD 100.

Where to access: **randmcnally.com/HD100FAQ**

Customer Support

If, after reviewing the help resources provided in this User Manual and after viewing the instructional videos, you still have questions regarding how to activate or install our HD 100 or how to use the device or Connect web portal, please contact Rand McNally's Customer Support team.

Call us: 1-877-446-4863

Email us: HD100support@randmcnally.com

Additional Services

Rand McNally offers additional software features and transportation services. For more information, visit the Rand McNally Dock™.

Attributions

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U.S. Patent Nos. 7,580,791 and 8,214,141

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